

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. ____
FOR
JAMESTOWN MINE TRUST I, THROUGH ITS TRUSTEE
COUNTY OF TUOLUMNE
ROBERT CAMERON
GARY WILSON
DISCHARGE OF MINE WASTEWATER TO HARVARD MINE PIT
TUOLUMNE COUNTY

This Monitoring and Reporting Program is concerned only with monitoring requirements related to discharges to the Harvard Mine Pit to facilitate TMF closure. Groundwater and surface water monitoring requirements for the Jamestown Mine site continue to be regulated by Monitoring and Reporting Program No. 97-082. Compliance with this Monitoring and Reporting Program, and with the companion Standard Provisions and Reporting Requirements, is ordered by Waste Discharge Requirements Order No. _____. Failure to comply with this Program, or with the Standard Provisions and Reporting Requirements dated September 2003, constitutes noncompliance with the WDRs and with the Water Code, which can result in the imposition of civil monetary liability.

A. REPORTING

The Discharger shall report monitoring data and information required in this Monitoring and Reporting Program as a part of the normal facility monitoring report required under Monitoring and Reporting Program No. _____. Monitoring Reports shall conform to the reporting requirements outlined in the Standard Provisions and Reporting Requirements. Reports which do not comply with the required format will be **REJECTED** and the Discharger shall be deemed to be in noncompliance with the WDRs. In reporting the monitoring data required by this program, the Discharger shall arrange the data in tabular form so that the date, the constituents, the concentrations, and the units are readily discernible. The data shall be summarized in such a manner so as to illustrate clearly the compliance with waste discharge requirements or the lack thereof. Historical and current monitoring data shall be graphed at least once annually. Graphs for the same constituent shall be plotted at the same scale to facilitate visual comparison of monitoring data. A short discussion of the monitoring results, including notations of any water quality violations shall precede the tabular summaries. Data shall also be submitted annually in a digital format acceptable to the Executive Officer

Method detection limits and practical quantitation limits shall be reported. All peaks shall be reported, including those which cannot be quantified and/or specifically identified. Field and laboratory tests shall be reported in the quarterly monitoring reports. The results of any monitoring done more frequently than required at the locations specified herein shall be reported to the Board.

B. REQUIRED MONITORING REPORTS AND SUBMITTAL DATES

1. Quarterly/Semiannual Monitoring Reports

All Quarterly and Semiannual monitoring reports shall include all water quality data and observations collected during the reporting period and submitted per the **Reporting Due Dates** in Section B.3 of this Monitoring and Reporting Program. At a minimum the sampling and data collection in Tables 1 and 2 of this Monitoring and Reporting Program, Standard Provisions and Reporting Requirements (2003), and Waste Discharge Requirements shall be reported.

2. Annual Monitoring Summary Report

The Discharger shall submit an Annual Monitoring Summary Report to the Board covering the previous monitoring year. The annual report shall contain the information specified in Standard Provisions and Reporting Requirements (2003), Section VIII.B. of the “*Reports to be Filed with the Board.*” The annual report may be submitted with the final quarterly or semi-annual report for the year.

3. Submittal Dates

Quarterly or Semiannual Monitoring Reports

Reporting Type	Sampling Frequency and Data Reported	Reporting Period	Report Date Due
Quarterly	Daily, Weekly, Monthly and Quarterly	1 January – 31 March 1 April – 30 June 1 July – 30 September 1 October – 31 December	30 April 31 July 31 October 31 January
Semiannually	Daily, Weekly, Monthly, Quarterly and Semiannually	1 January – 30 June 1 July – 31 December	31 July 31 January

Quarterly or Semiannual Monitoring Reports shall be attached to their corresponding facility monitoring reports required under Monitoring and Reporting Program (MRP) No. 97-082.

Annual Monitoring Summary Report

31 January

Facility Monitoring Report

15 November

C. MONITORING

The Discharger shall comply with the monitoring program provisions of Title 27, in accordance with Monitoring Specifications in Standard Provisions and Reporting Requirements (2003). All monitoring shall be conducted in accordance with a Sample Collection and Analysis Plan, which includes quality assurance/quality control standards, that is acceptable to the Executive Officer.

Method detection limits and practical quantitation limits shall be reported. All peaks shall be reported, including those which cannot be quantified and/or specifically identified.

The Discharger may, with the approval of the Executive Officer, use alternative analytical test methods, including new USEPA approved methods, provided the methods have method detection limits equal to or lower than the analytical methods specified in this Monitoring and Reporting Program.

1. Waste Discharge Monitoring

The Discharger shall monitor the quantity of all wastes discharged and the remaining capacity and the water level in the Harvard Mine Pit on a monthly basis and report the results in quarterly Monitoring Reports:

Table 1 - Waste Discharge Monitoring		
<u>Parameters</u>	<u>Units</u>	<u>Frequency</u>
Quantity Discharged	gallons	Monthly
Remaining Capacity	acre-feet	Monthly
Water Level	Feet (msl)	Monthly

2. Surface Impoundment

On a quarterly basis, the discharger shall monitor (a) the quality of water from the TMF prior to its discharge and (b) the quality of water in Harvard Pit. Samples of water discharged from the TMF and in the Harvard Pit shall be collected in a convenient location at least 50 feet from an influent structure. Liquids shall be sampled for the following:

Table 2 - Surface Impoundment Monitoring		
<u>Parameters</u>	<u>Units</u>	<u>Frequency</u>
<u>Field Parameter</u>		
Temperature	°C	Quarterly
Specific Conductance	µmhos/cm	Quarterly
pH	pH	Quarterly
<u>Monitoring Parameters</u>		
Total Dissolved Solids	mg/L	Quarterly
Calcium	mg/L	Quarterly
Magnesium	mg/L	Quarterly
Sodium	mg/L	Quarterly
Potassium	mg/L	Quarterly
Chloride	mg/L	Quarterly
Sulfate	mg/L	Quarterly
Bicarbonate	mg/L	Quarterly
Carbonate	mg/L	Quarterly
Nitrate	mg/L	Quarterly
Ammonia	mg/L	Quarterly
Arsenic	ug/L	Quarterly
Selenium	ug/L	Quarterly
Manganese	mg/L	Quarterly
Total Organic Carbon	mg/L	Quarterly

3. Groundwater

Groundwater monitoring is required for the Jamestown Mine site in Monitoring and Reporting Program No. 97-082.

4. Facility Monitoring

The Discharger shall inspect all precipitation, diversion, and drainage facilities related to the Harvard Mine Pit for damage **within 7 days** following *major storm events*. Necessary repairs shall

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be completed **within 30 days** of the inspection. The Discharger shall report any damage and subsequent repairs within 45 days of completion of the repairs, including photographs of the problem and the repairs.

The Discharger shall implement the above monitoring program on the effective date of this Order.

Ordered by: _____
PAMELA CREEDON, Executive Officer

Date